EFENDIYEV, G.B.; MELIKOV, M.M.; ASHRAFOV, M.A.; DANIYELYANTS, A.A.

Azerbaijan machine manufacturers are facing new problems. Azerb. neft. khoz. 39:28-31 Ap '60. (MIRA 13:11)
(Azerbaijan--Oil fields--Equipment and supplies)

EFENDIYEV, G.E.

Efficient use of three-roller bits with different types of reinforcement. Azerb.neft.khoz. 41 no.2:40-42 F '62.
(MIRA 15:8)

(Oil well drilling—Equipment and supplies)

EFENDIYEV, G.E.

Wear of the teeth of roller bits. Azerb.neft.khoz. 41 no.5: 39-42 My '62. (MIRA 16:2)
(Oil well drilling—Equipment and supplies)
(Mechanical wear)

23358 S/058/61/000/006/046/063
A001/A101

9.4120 (1003, 1140)

AUTHOR: Efendiyev, O.I.

TITLE: The magnetic field effect on the nature of anode oscillations in discharge in inert gases

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1961, 344, abstract 6Zh128 ("Uch. zap. Azerb. un-t. Fiz.-matem. i khim. ser.", 1958, no. 2, 19-25, Russian summary)

TEXT: The author investigated the effect of a weak (up to 900 oersted) magnetic field applied to an anode region, on anode oscillations. It is shown that in the case of low pressures, ordered oscillation become less ordered after the application of a magnetic field. At relatively high pressures (0.4 mm Hg), magnetic field considerably increases oscillation frequency, without changing their shape. The curves of dependence of oscillation amplitude and frequency on magnetic field are presented. The author presents also the curves of changes in anode voltage drop; they have a minimum shifting towards weak magnetic fields at increasing gas pressure. The magnetic field effect on the oscillation characteristics is explained by the mechanism proposed by the author earlier (RZhFiz, 1958, no.7, 16063). [Abstracter's note: Complete translation]

Card 1/1

S/058/63/000/001/050/120
A160/A101

EFENDIYEV, G. I.

AUTHOR: Efendijev, G. I.

TITLE: The possibility of a formation of traveling layers in a mercury discharge

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 11, abstract 1052 ("Uch. zap. Azerbaijan un-t. Ser. Fiz.-matem. n.", no. 5, 1961, 137 - 144, Azerbaijan; summary in Russian)

TEXT: Investigated was the condition of a formation of traveling layers in a low-pressure mercury discharge at direct current. The experiments were conducted in an arc discharge in Hg vapors with a liquid cathode in a wide range of a pressure change $4.89 \cdot 10^{-4} \div 2.54 \cdot 10^{-2}$ mm of the mercury column) and discharge current (0.1 ÷ 7 a). The results of the investigation revealed that traveling layers do not arise in pure Hg vapors. There are even no possibilities of producing them artificially by acting on the various parts of the discharge. When contaminating the Hg vapors with molecular gas, both traveling and stationary layers will simultaneously arise. The traveling layers move in the positive column with a non-

Card 1/2

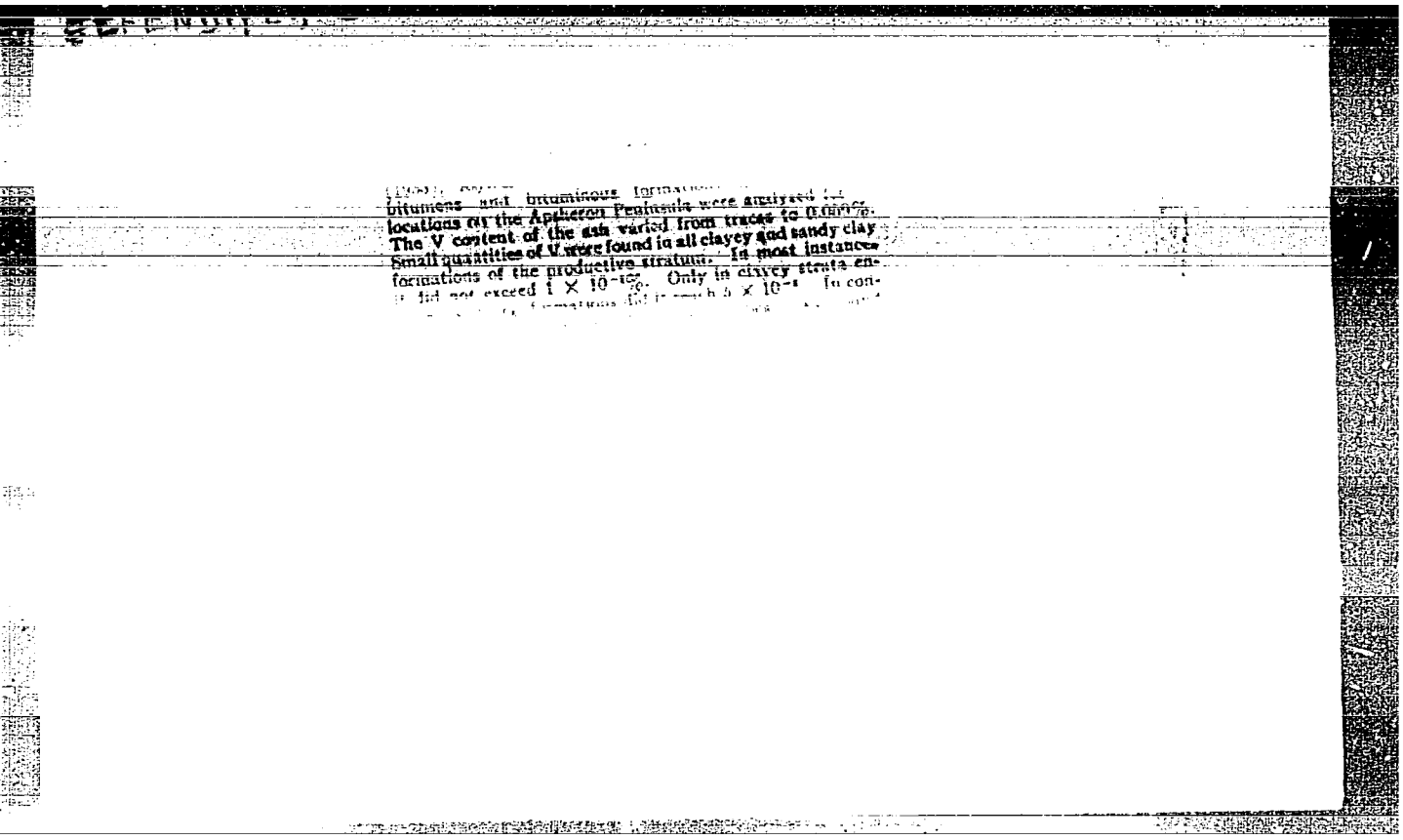
S/058/63/000/001/050/120
A160/A101

constant speed. With the help of the external alternating electric field it is possible to synchronize the irregular traveling layers existing in the discharge. Hereby, the layers become most sharp. Even in impure mercury vapors the traveling layers are not always observed. The appearance of traveling layers not only depends on the impurity degree, but also on the discharge conditions. The traveling layers generally arise in a narrow region of the discharge currents. Their values depend on the pressure of the mercury vapors. The frequency, the length and the speed of the traveling layers are to be found in the intervals of 1,000 - 5,000 cps, 4 - 10 cm and 100 - 500 m/sec respectively.

[Abstracter's note: Complete translation]

TEVOSOV, S.P.; ZUL'FUTAROV, Z.G.; DANILOVA, N.A.; EFENDIYEV, G., redaktor

[Desorption of iodine from coal by electrochemical methods] Elektrokhimicheskii metod desorbtsii ioda s uglia. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1951. 54 p. (MLRA 7:11)
(Iodine) (Electrochemistry, Industrial)



bitumens and bituminous formations
localities on the Apsheron Peninsula were analyzed for
The V content of the ash varied from traces to 0.0[illegible]%.
Small quantities of V were found in all clayey and sandy clay
formations of the productive stratum. In most instances
[illegible] not exceed 1×10^{-1}%. Only in clayey strata en-
[illegible] formations [illegible] 5×10^{-4} In con-

EFENDIYEV, G.Kh.; TIL'MAN, A.L., red.izd-va; POGOSOV, V.A., tekhn.red.

[Hydrothermal ore complex in the northeastern part of the Lesser Caucasus; mineralogy and geochemistry] Gidrotermal'nyi rudnyi kompleks severo-vostochnoi chasti Malogo Kavkaza; mineralogiia i geokhimiia. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1957. 342 p. (MIRA 15:2)
(Caucasus--Ore deposits)

ZEYNALOV, B.K.; EFENDIYEV, G.Kh.; ABDULLAYEVA, E.E.; GANF, K.L.

Azerbaijan copals. Report No.1. Trudy Inst. khim. AN Azerb. SSR 16:46-62 '57. (MIRA 12:9)
(Azerbaijan--Copal)

ZEYNALOV, B.K.; EFENDIYEV, G.Kh.; GASANOVA, G.A.; ALIYEVA, E.

Azerbaijan copals. Report No.2. Trudy Inst.khim. AN Azerb. SSR 16:63-80. '57. (MIRA 12:9)
(Azerbaijan--Copal)

EFENDIYEV, G. KH

21N/5
622.1
.E2

Gidrotermal'nyy rudnyy kompleks severo-vostochnoy chasti malogo Kavkaza: Mineralogiya i geokhimiya Hydrothermal ore complex in the north-west part of the Lesser Caucasian Mountains: Minerology and geo-chemistry Baku, Izd-vo. ANazSSR, 1957.

346 p. diagrs., illus., tables. Bibliography: p. 291-299.
At head of title-page: Akademiya Nauk Azerbaydzhanskoy SSR, Baku.
Institut Geologii.

EFENDIYEV, G.Kh.

Geochemistry of germanium. Izv.AN Azerb.SSR.Ser.Fiz-tekh. i khim. nauk. no.1:73-82 '58. (MIRA 12:3)
(Germanium)

GEYDAROV, A.S.; EFENDIYEV, G.Kh.

Geochemistry of molybdenum in natural waters. Uch. zap. AGU no.1: 95-102 '58. (MIRA 12:1)
(Water--Composition) (Molybdenum)

ABDULLAYEV, R.N.; AZIZBEKOV, Sh.A.; BAYRAMALIHEYLI, E.T.; KASHKAY, M.A.; KERIMOV, A.D.; KERIMOV, G.I.; MUSTAFAHEYLI, M.A.; SITKOVSKIY, I.N.; SHIRVANZADE, I.A.; SHIKHALIHEYLI, E.Sh.; EFENDIYEV, G.Kh.

Principal metallogenetic characteristics of Azerbaijan [with summary in English]. Sov. geol. 1 no.4:98-110 Ap '58. (MIRA 11:6)

1.Geologicheskiy institut AN AzerSSR.
(Azerbaijan--Ore deposits)

EFENDIYEV, G.Kh.; RZAZADE, P.F.

Extraction of boron from waste brines. Dokl. AN Azerb. SSR 14 no.2:109-114 '58. (MIRA 11:4)

1.Institut khimii AN AzerSSR. Predstavleno akademikom AN AzerSSR M.F. Nagiyevym.
(Boron) (Extraction (Chemistry))

NURIYEV, A.N.; EFENDIYEV, G.Kh.

Radioactive elements in reservoir waters of Azerbaijan oil fields. Azerb.khim.zhur. no.1:35-43 '59.
(MIRA 13:6)

(Azerbaijan--Oil field brines--Analysis)
(Radioactive substances--Analysis)

[redacted]

RFENDIYEV, G.Kh.; ALEKPEROV, R.A.

Studying the distribution of uranium in the system petroleum-aqueous solutions. Azerb.khim.zhur. no.2:137-143 '59.
(MIRA 13:6)

(Uranium) (Petroleum)

S/081/62/000/003/028/090
B150/B101

AUTHORS: Efendiyev, G. Kh., Nuriyev, E. N., Meyrerov, E. S.

TITLE: The distribution of uranium in the Dalidag intrusive massif

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 123, abstract 3G63 (Uch. zap. Azerb. un-t Geol. geogr. ser., no. 6, 1959, 3 - 10)

TEXT: In the bi-phase intrusive massif 144 samples were selected in which the content of uranium was determined. Ranges obtained: $(0.5 - 10)\cdot10^{-4}$% in average content in primary phase rocks, $2.6\cdot10^{-4}$%, in rocks of the second phase $4.58\cdot10^{-4}$%. The dependence is established of the concentration of U upon the acidity of the rocks. A study is made of the distribution of U in rock-forming minerals. In leucocratic minerals its content is low, but it increases in proportion with the increase in volume of the quartz-feldspar mass. Nevertheless, in all 37 - 40% of all the U contained in the rocks is contained in these minerals. The remaining portion of U is concentrated in the accessory and dark-colored minerals. Abstracter's

Card 1/2

S/081/62/000/003/028/090
B150/B101

The distribution of uranium...

note: Complete translation.

Card 2/2

EFENDIYEV, G.Kh.; GEYDAROV, A.S.

Geochemistry of molybdenum in the Dali-Dag intrusive (Lesser Caucasus). Izv.AN Azerb.SSR. Ser.geol.-geog.nauk no.6:91-101 '59. (MIRA 15:4)

(Caucasus--Molybdenum)

EFENDIYEV, G.Kh.; NURIYEV, A.N.

Interface distribution of radium and uranium (petroleum - water).
Azerb.khim.zhur. no.6:105-108 '59. (MIRA 14:9)
(Petroleum--Analysis) (Radium--Analysis)
(Uranium--Analysis)

3(5), 5(2)

AUTHORS: Alekperov, R. A., Efendiyev, G. Kh. SOV/7-59-6-4/17

TITLE: On the Uranium Content in Petroleums

PERIODICAL: Geokhimiya, 1959, Nr 6, pp 513 - 517 (USSR)

ABSTRACT: 56 samples from various tertiary series of Azerbaydzhan were investigated. Uranium was separated according to P. N. Zharov's method and determined by luminescence analysis. The contents vary considerably between 0.2 and 50.0 microgram uranium per liter petroleum and 1.0 and 500.10^{-4} % uranium in ash respectively (Table). In this connection the correlation between the uranium- and ash contents of the petroleums were determined (Table, Fig 1). Furthermore, the uranium content of the accompanying bed waters were determined. A diagram comparing the uranium content in water with the uranium content in petroleum shows (Fig 2) that petroleum contains generally more uranium, especially in hard calcium-magnesium-chloride waters. The extraction of uranium from petroleum by solutions of $CaCl_2$, $MgCl_2$, NaCl, and $NaHCO_3$ of a varying degree of intensity was experimentally investigated (Fig 3). The diagram shows that the extracted amount of uranium decreases with the given order of

Card 1/2

salt solutions. Finally, the origin of uranium is investigated. In this connection the mother substance of petroleum or the surrounding sediments are considered as the origin. In the region of Apsheron the latter contain 4.1 to $2.55.10^{-4}$ % uranium. It is difficult to decide which of the two factors prevails. Papers by V. A. Unkovskaya, J. J. Clagoczowski, Academician V. I. Vernadskiy, A. N. Nuriyev, F. A. Alekseyev, V. I. Yermakov, V. A. Filonov, V. I. Baranov, A. B. Ronov, and K. G. Kunasheva are mentioned. There are 3 figures, 1 table, and 10 references, 8 of which are Soviet.

ASSOCIATION: Institut khimii AN AzerbSSR, Baku (Institute of Chemistry of the AS Azerbaydzhanskaya SSR)

SUBMITTED: March 3, 1959

ALEKPEROV, R.; EFENDIYEV, G.Kh.

Form in which uranium is found in certain kerogen shales.
Dokl. AN Azerb. SSR 15 no.9:821-824 '59. (MIRA 13:2)

1. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.F. Nagiyevym.
(Uranium) (Shale)

S/081/61/000/022/040/076
B110/B101

AUTHORS: Efendiyev, G. Kh., Karayev, Z. Sh.

TITLE: Extraction of selenium from slimes by the sulfide method

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1961, 281, abstract 22K48 (Azerb. khim. zh., no. 5, 1960, 99-106)

TEXT: The authors give results of Se extraction from slimes of a sulfuric acid plant operating by the contact process. The slime contains a small amount of $PbSO_4$. The method of Se extraction from slimes by sodium sulfide is based on formation of an unstable compound of the type Na_2SSe between Se and sodium sulfide; this compound decomposes readily with separation of elementary Se. Under established conditions, the degree of extraction is 98-99% of the Se content in the slime. The authors discuss the chemism of Se separation from the selenium sulfide complex in Na_2S solution. [Abstracter's note: Complete translation.]

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S/137/62/000/005/034/150
A006/A101

AUTHORS: Karayev, Z. Sh., Efendiyev, G. Kh.

TITLE: Extracting selenium with ammonium sulfide from slimes as a means of obtaining pure selenium

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 19, abstract 5G115 ("Azerb. khim. zh.", 1961, no. 5, 119 - 123, Azerb. summary)

TEXT: A batch of crushed and dried slime was placed in the reactor. A corresponding volume of a $(HN_4)_2S$ solution was added. Reaction $(NH_4)_2S + xSe = (NH_4)_2SSe_x$ proceeds at room temperature. Slime processing with $(NH_4)_2S$ solution was conducted in a hermetically sealed unit. The Se suspension was mixed in the $(NH_4)_2S$-solution for 2 - 4 minutes by passing N_2 through the solution upwards at a rate of 20 l/hour. After completed processing of the slime, the solution was filtered off from the solid residue. At a 30% Se content in the slime, the Se maximum yield (96 - 98%) is attained at a molecular ratio Se : $(NH_4)_2S$ = 1 : 6. Separation of Se out of the solution was performed by various means: with the aid of thermal decomposition of $(NH_4)_2SSe$, decomposition by air; and separation-

Card 1/2

S/137/62/000/005/034/150
A006/A101

Extracting selenium with...

out of Se by holding the solution in open air. The purity of Se obtained is on the average about 99.00%.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 2/2

SHIK, E.I.; EFENDIYEV, G.Kh.

Radioactive chemical elements in mineral waters of Chukhuryurd springs. Trudy Inst.khim.AN Azerb. SSR 19:130-134 '61.
(MIRA 14:10)
(Chukhuryurd—Radioactive substances)

[illegible], G.Kh.; [illegible], [illegible]

Forms of molybdenum occurring in rocks. Trudy Inst.Khim. [illegible] Azerb.SSR. [illegible]:135-153 [illegible]. [illegible]
(Molybdenum)

ALIKHANOV, E.N.; ARUSHANOV, N.A.; AKHUNDOV, V.Yu.; ALIZADE, M.A.; AZIZBEKOV, Sh.A.; BAGIROV, M.A.; VEZIROV, S.A.; VOLOBUYEV, V.R.; VEKILOV, F.M.; GADZHIYEV, N.M.; GUBEYNOV, D.M.; GUSEYNOV, I.A.; DADASHEV, K.K.; DADASHZADE, M.A.; DALIN, M.A.; ISKENDEROV, M.A.; KAZIYEV, M.A.; KARAYEV, A.I.; KASHKAY, M.S.; KEL'DYSH, M.V.; KERIMOV, A.G.; LEMBERANSKIY, A.D.; MAMEDOV, G.K.; MEKHTIYEV, M.R.; MIRZOYEV, S.A.; NAGIYEV, M.F.; NASRULLAYEV, N.I.; OGUDZHEV, A.K.; RADZHABOV, R.A.; RUDNEV, K.N.; SADYKHOV, R.N.; SEMENOV, N.N.; TOPCHIYEV, A.V.; TOPCHIBASHEV, M.A.; TAIROVA, T.A.; KHALILOV, Z.I.; EFENDIYEV, G.Kh.; SHUKYUROVA, Z.Z.

IUsif Geidarovich Mamedaliev. Azerb.khim.zhur. no.6:5-6 '61.
(MIRA 15:5)
(Mamedaliev, IUsif Geidarovich, 1905-1961)

ALIKHANOV, F.N.; ARUSHANOV, N.A.; AKHUNDOV, V.Yu.; ALIZADE, M.A.; AZIZBEKOV, Sh.A.; BAGIROV, M.A.; VEZIROV, S.A.; VOLOBUYEV, V.R.; DEKILOV, F.M.; GADZHIYEV, N.M.; GUSEYNOV, D.M.; GUSEYNOV, I.A.; DADASHEV, E.K.; DADASHZADE, M.A.; DALIN, M.A.; ISKENDEROV, M.A.; KAZIYEV, M.A.; KARAYEV, A.I.; KASHKAY, M.S.; KEL'DYSH, M.V.; KERIMOV, A.G.; LEMBERANSKIY, A.D.; MAMEDOV, G.K.; MEKHTIYEV, M.R.; MIRZOYEV, S.A.; NAGIYEV, M.F.; NESRULLAYEV, N.I.; ORUDZHEV, A.K.; RADZHABOV, R.A.; RUDNEV, K.N.; SADYKHOV, R.N.; SEMENOV, N.N.; TOPCHIYEV, A.V.; TOPCHIBASHEV, M.A.; TAIROVA, T.A.; KHALILOV, Z.I.; EFENDIYEV, G.Kh.; SHUFYUROVA, Z.Z.

IUsif Geidarovich Mamedaliev; obituary. Dokl. AN Azerb. SSR 17 no.12:1123-1126 '61. (MIRA 15:2)
(Mamedaliev, Iusif Geidarovich, 1905-1961)

EFENDIYEV, G.Kh.; NURIYEV, A.N.

Radioactive elements of the uranium and thorium series in oil field formation waters. Azerb.khim.zhur. no.2:113-117 '62. (MIRA 16:3)

(Oil field brines) (Uranium--Decay) (Thorium--Decay)

EFENDIYEV, G.Kh.; ALEKPEROV, R.A.

Use of naphthenic acids as extractants of metals to recover from aqueous solutions. Azerb. khim. zhur. no.3:117-124 '62.
(MIRA 16:12)

EFENDIYEV, G.Kh.; KARAYEV, Z.Sh.

Oxogallates of the elements of the cerium subgroup. Azerb.khim.zhur. no.5:119-124 '62. (MIRA 16:5)
(Cerium compounds) (Gallium oxides)

EFENDIYEV, G.Kh.; ALEKPEROV, R.A.

Extraction of selenium and tellurium from sulfuric acid sludges by chlorination in an anhydrous medium. Dokl. AN Azerb. SSR 18 no.5:15-20 '62. (MIRA 15:7)

1. Institut khimii AN AzSSR. Predstavleno akademikom AN AzSSR M.F. Nagiyevym.
(Selenium)
(Tellurium)
(Sulfuric acid industry--By-products)

EFENDIYEV, G.Kh.; NURIYEV, A.N.

Leaching of uranium and radium from clays. Azerb.khim.zhur. no.4: 103-107 '63. (MIRA 17:2)

Reaction of selenides of gallium and a lanthanide (arium and samarium of the type $A_2^{III}B_3^{VI}$. G. Kh. Efendiyev, E. Sh. Karayev, I. O. Nasilov.

Solid solutions in the quasibinary systems Ga_2S_3-Ga_2Te_3 and Ga_2S_3-Ga_2Se_3. P. G. Rustanov, B. I. Mardakhayev, E. Melikova, M. Alidzhanov, M. Safarov. (Presented by G. Kh. Efendiyev--10 minutes).

Chemical bonding, structure of the energy zones and some properties of semiconducting compounds of rare earth elements with selenium. G. F. Karavayev (10 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

MAMEDOV, Z.M.; EFENDIYEV, G.Kh.

New minerals of the Paragachayskoye deposit. Dokl. AN Azerb. SSR 19 no.10:35-38 '63. (MIRA 17:6)

1. Institut khimii AN AzSSR.

EFENDIYEV, G.Kh.; ALEKPEROV, R.A.; NURIYEV, A.N.; ZUL'FUGARLY, D.I., prof., red.

[Problems in the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baku, Izd-vo AN Azerb.SSR, 1964. 149 p.
(MIRA 17:7)

EFENDIYEV, G.Kh.; KARAYEV, Z.Sh.; NASIBOV, I.O.

Interaction of samarium and gallium selenides $A^{III}_2 B^{VI}_3$. Azerb. khim. zhur. no.1:125-131 '64. (MIRA 17:5)

L 19733-65 EWT(m)/EWP(t)/EWP(b) IJP(c)

ACCESSION NR: AP4049804

[illegible] of gallium and neodymium [illegible]

Azerbaydzhanskiy khimicheskiy zhurnal, no. 4 1964 [illegible]

[illegible] gallium selenide, neodymium selenide [illegible]

[illegible] purpose of this work was [illegible]

ESSION NR: AP4049804

ENCL: 00

SUB CODE:

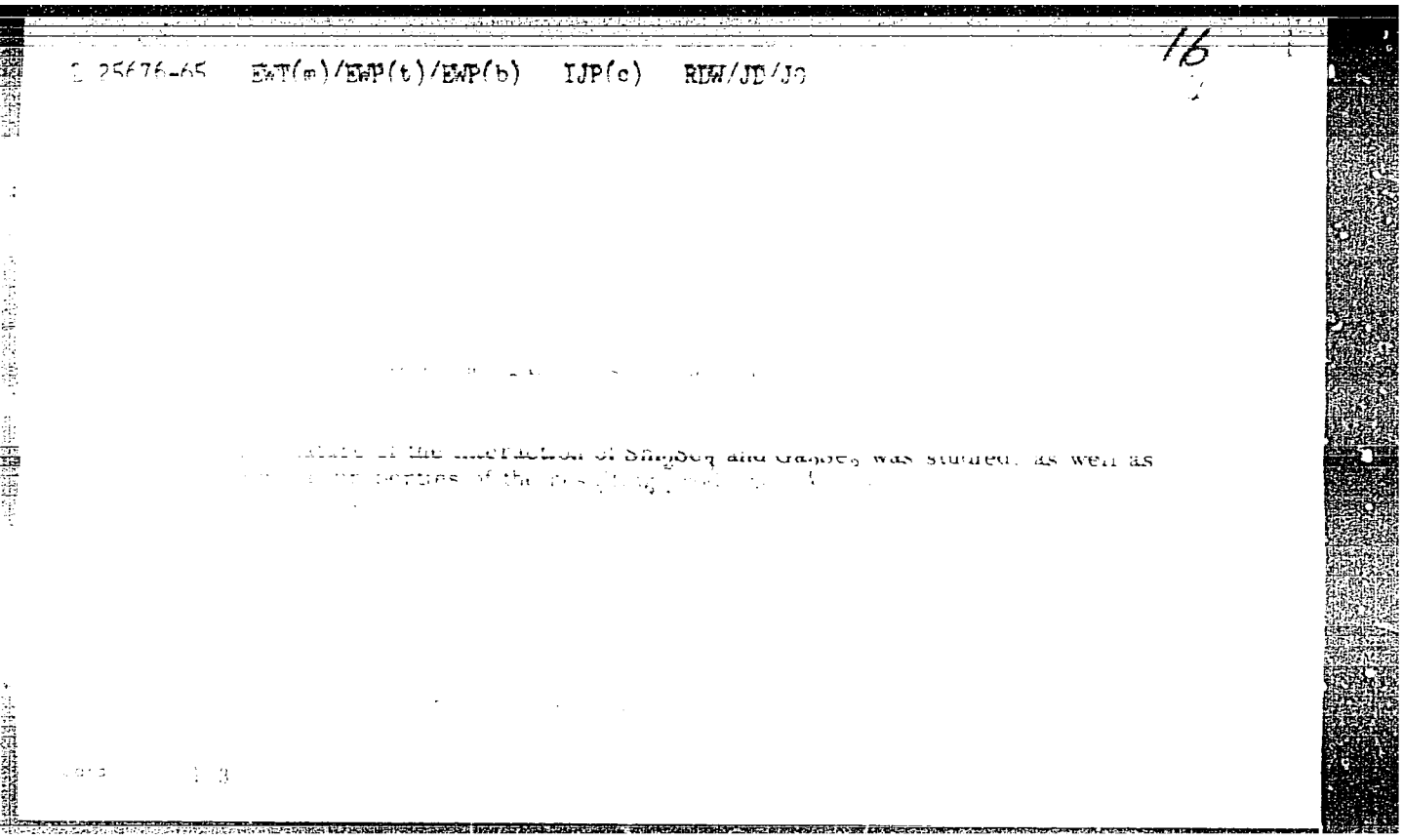
OTHER:

Card 2/2

EFENDIYEV, G.Kh.; KARAYEV, Z.Sh.; NASIBOV, I.O.

Interaction of $A^{III}{}_2B^{VI}{}_3$ type cerium and gallium selenides.
Izv. AN SSSR. Ser. fiz. 28 no.6:1103-1106 Je '64.
(MIRA 17:7)

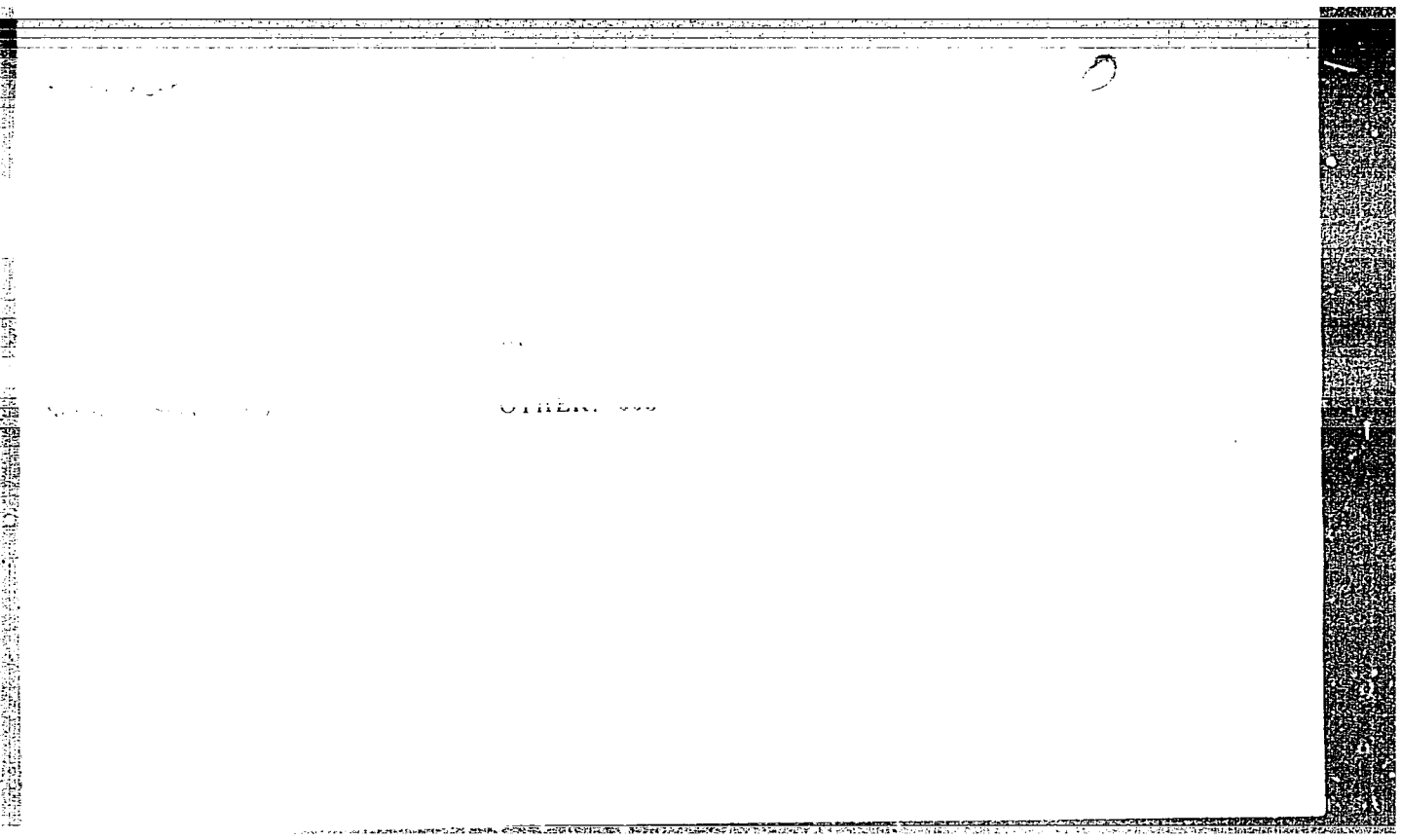
1. Institut khimii AN Azerbaydzhanskoy SSR.



L 25676-65 EWT(m)/EWP(t)/EWP(b) IJP(c) RDW/JD/JG

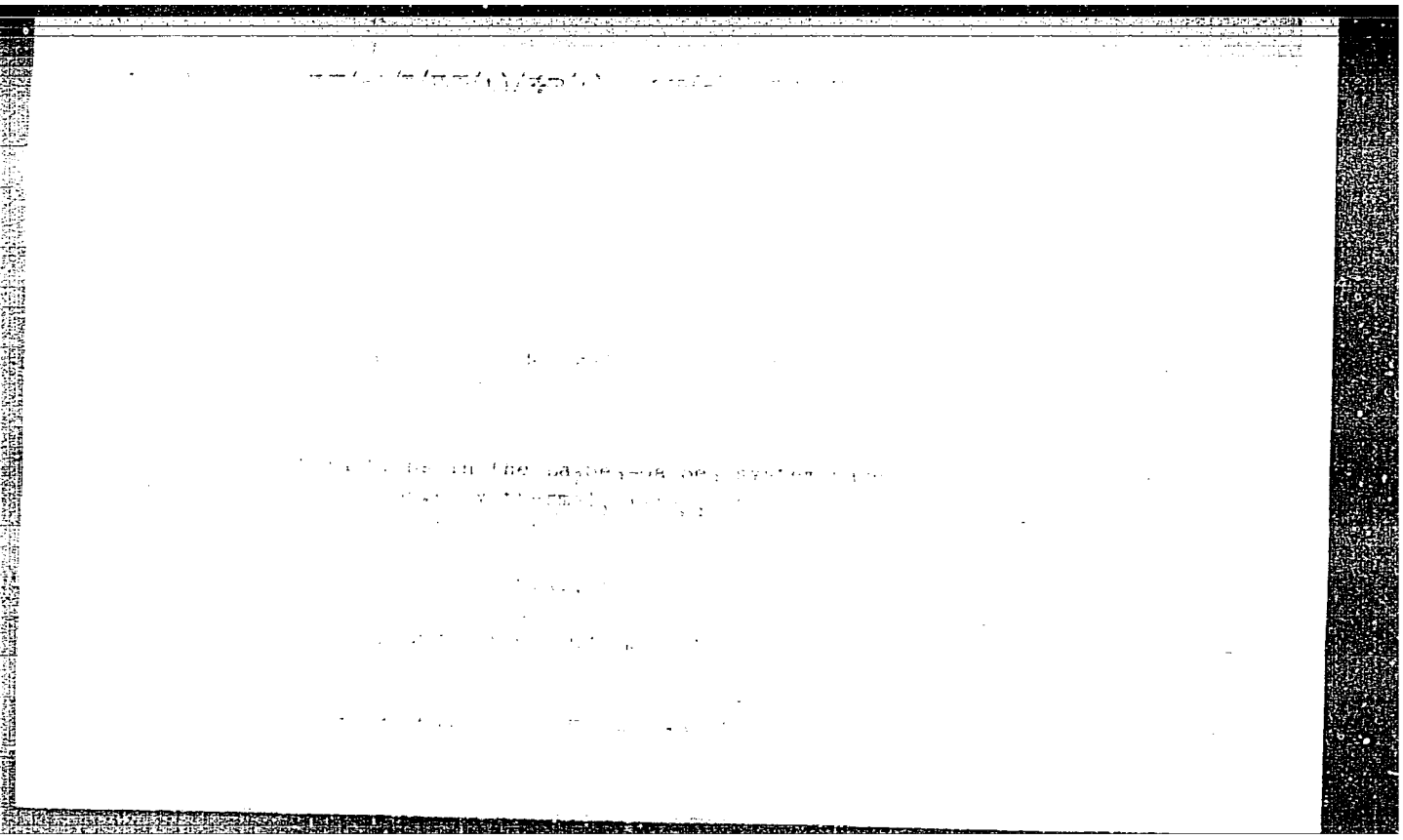
16

[illegible] the interaction of Shigella and Galactose was studied, as well as [illegible]



EFENDIYEV, G.Kh.; KARAYEV, Z.Sh.; NASIROV, I.O.

Interaction of the selenides Nd_2Se_3 of neodymium and gallium. Azerb. khim.zhur. no.4:111-114 '64. (MIRA 18:3)



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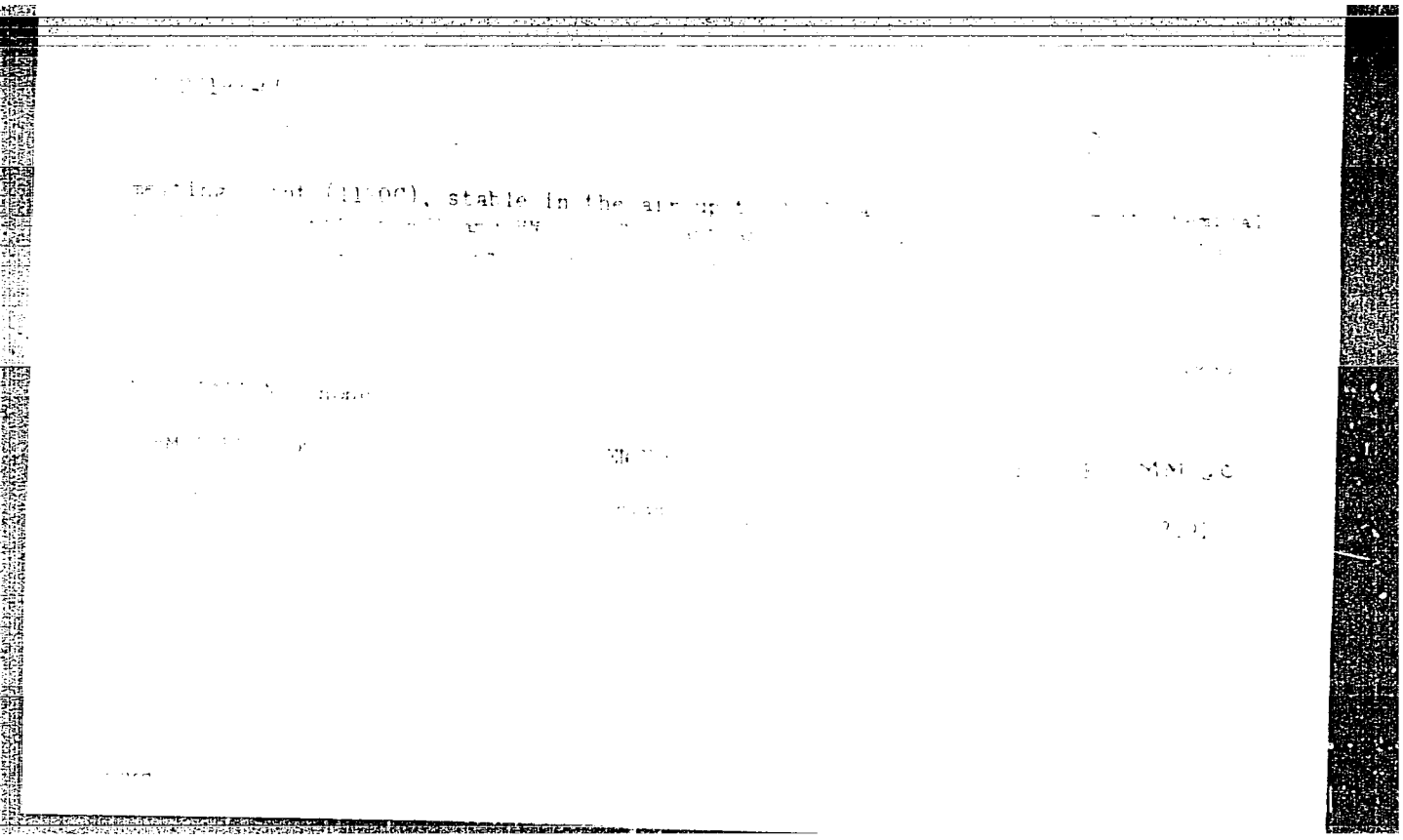
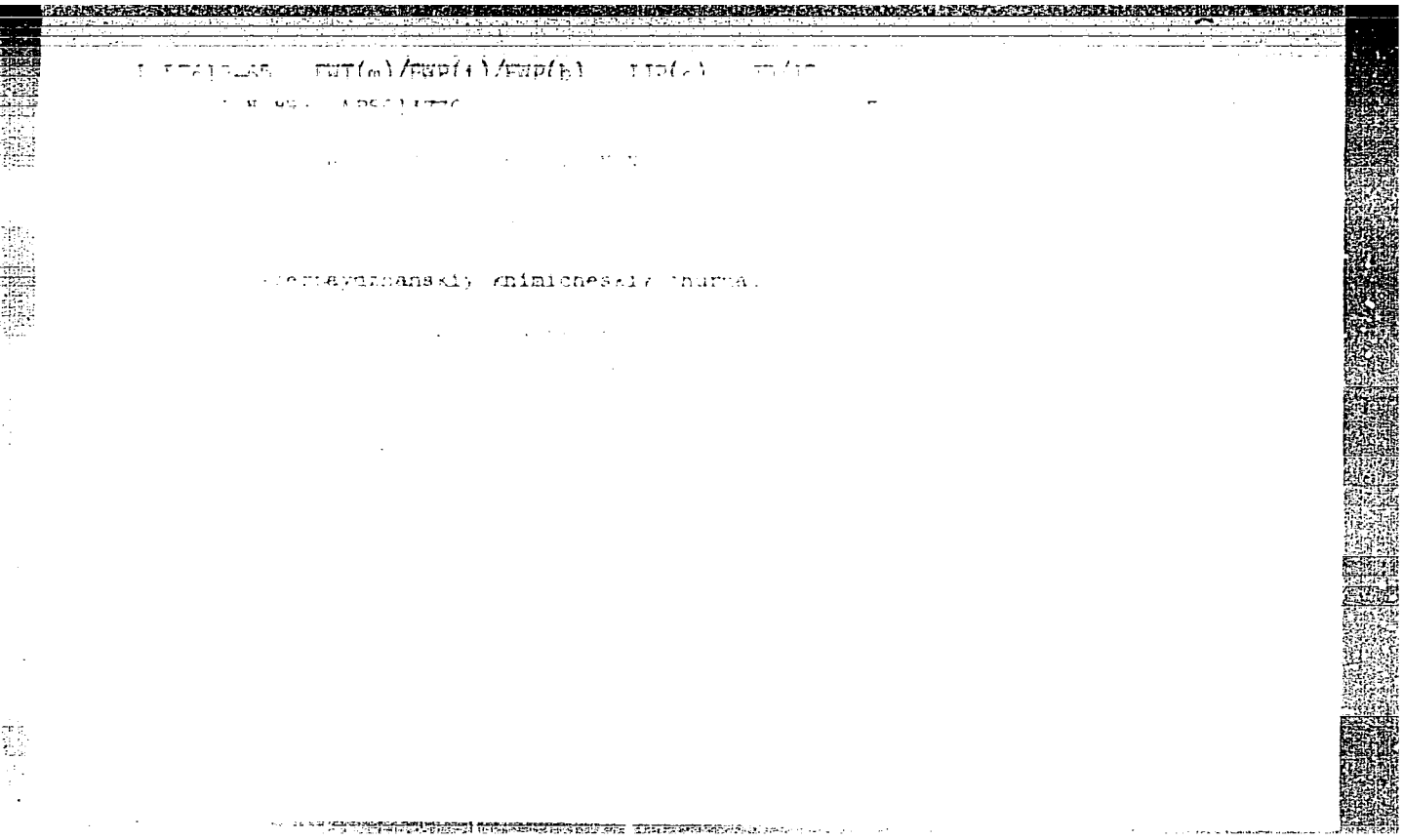
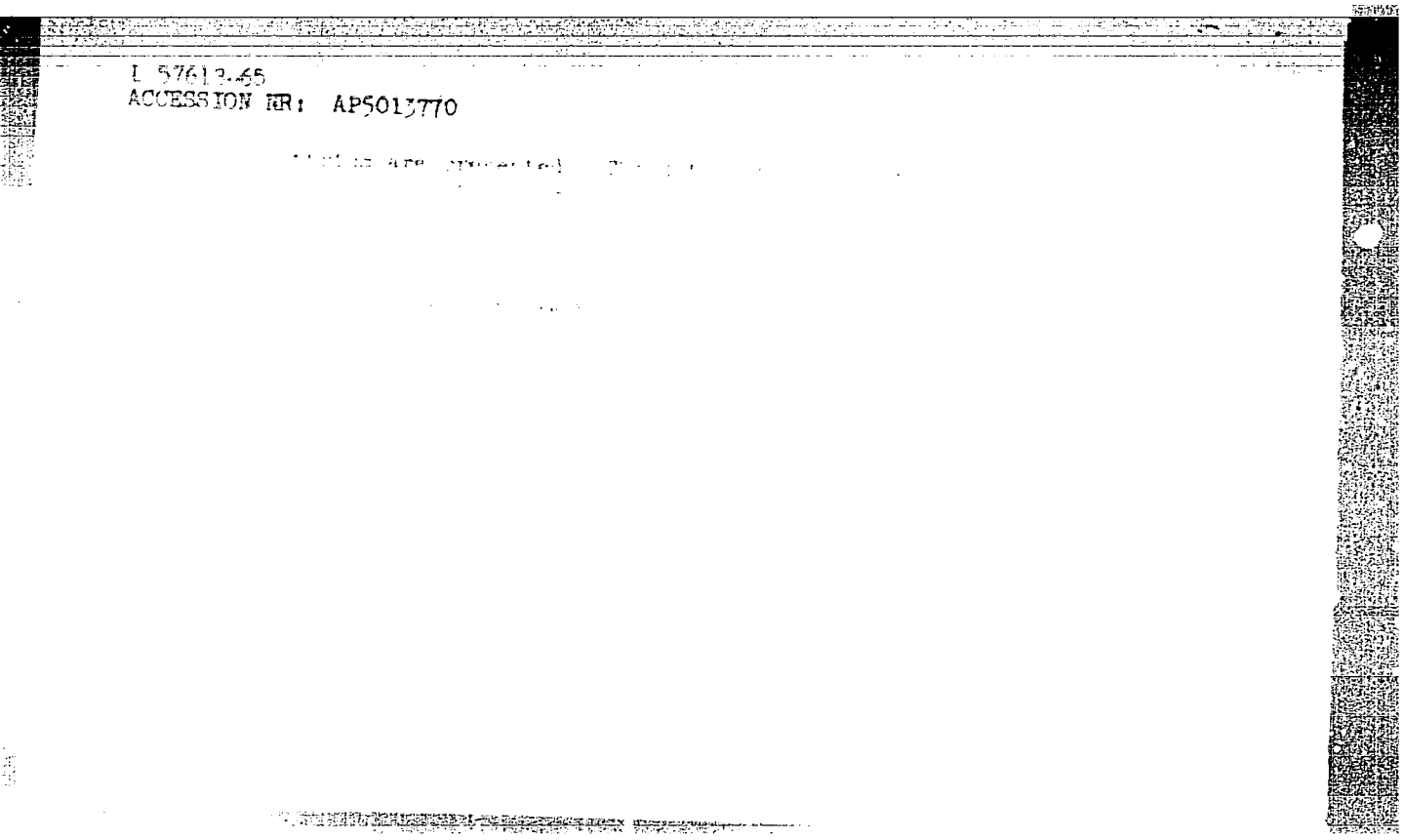


EFENDIYEV, G.Kh.; NOVRUZOV, M.A.; GEYDAROV, A.S.

Geochemistry of thallium in the pyrite-complex metal type deposit. Izv.AN Azerb.SSR. Ser.geol.-geog.nauk no.1:30-38 '65.
(MIRA 18:8)





EFENDIYEV, G.Kh.; GEYDAROV, A.S.; MUSTAFAYEV, G.V.

Geochemistry of lithium, rubidium, and cesium in the granitoids of the Lesser Caucasus. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.3:44-51 '65. (MIRA 18:9)

EFENDIYEV, G.Kh.; SHIK, E.I.

Find of gallium in oil field waters. Geokhimiia no.3:371-372 Mr '65. (MIRA 18:7)

1. Institut khimii AN AzerbSSR, Baku.

EFENDIYEV, G.Kh.; MAMEDOV, Z.M.; AGAYEVA, F.

Geochemistry of selenium and tellurium in copper-molybdenum deposits. Dokl. AN Azerb. SSR 21 no.2:28-32 '65.
(MIRA 18:5)

1. Institut khimii AN AzerSSR.

L 55121-65

ACCESSION NR: AP5015451

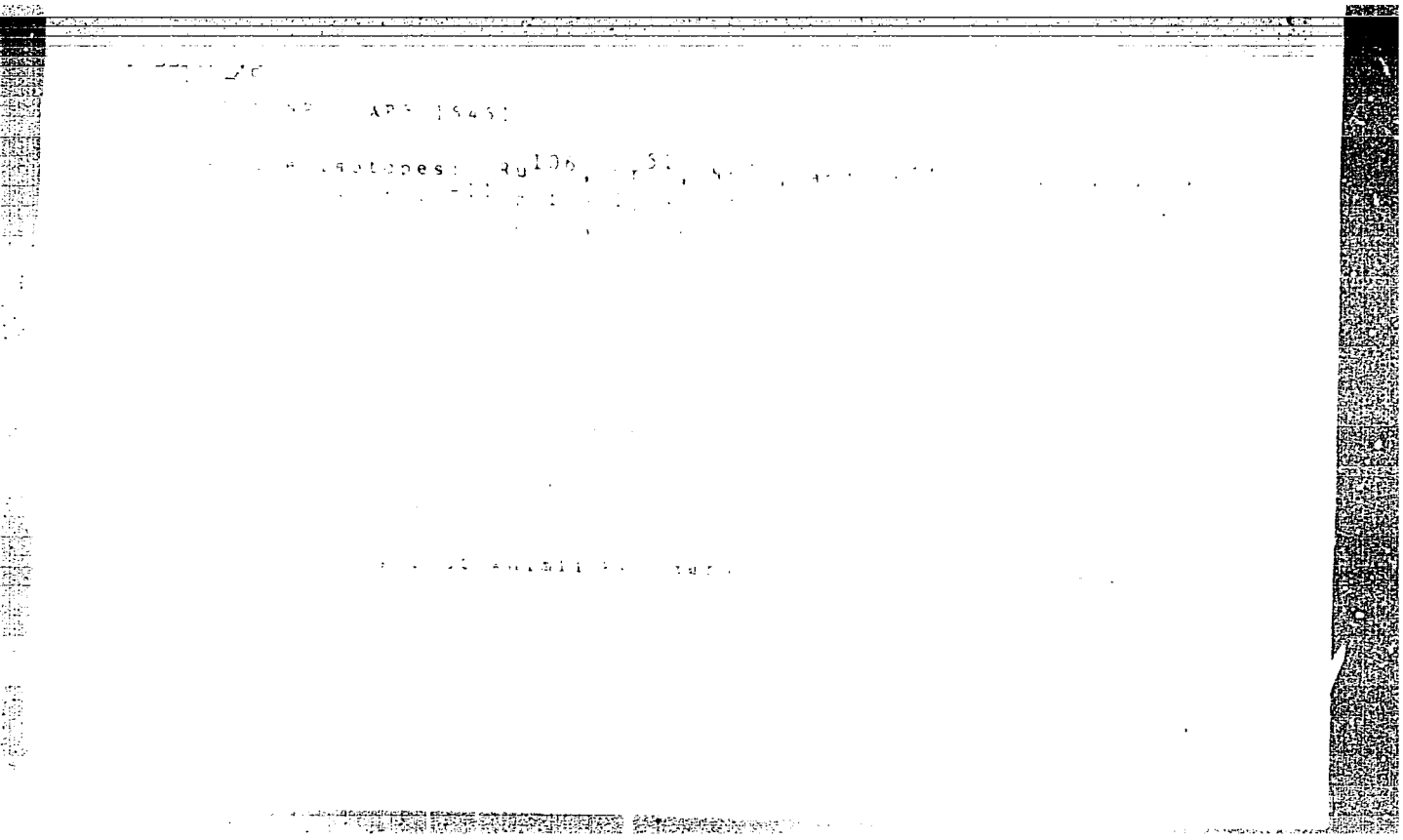
[illegible] Makov, N. N.; Alekperov, R. A.; Efendiyev, G. M.

[illegible] acids in the presence [illegible] extraction

[illegible]. Doklady, v. 21, [illegible]

[illegible] microelement extraction, [illegible]

[illegible]



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(Integral equations)

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(Integrodifferential equations)

L 13237-63 EWT(d)/FCC(w)/BDS AFFTC Pg-4 IJP(C)
S/044/63/000/003/034/047

56

AUTHOR: Efendiyev, G. S.

TITLE: On some properties of solutions of one class of nonlinear integro-differential equations 16

PERIODICAL: Referativnyy Zhurnal, Matematika, no. 3, 1963, 69, Abstract 3B312 (Uch. Zap. Azerb. Un-t. Ser. Fix. -Matem. i Khim. Nauk, no. 4, 1961, 47-57).

TEXT: The author examines the integro-differential equation

$$F(x, u(x), \lambda) = \int_0^1 g(\lambda, x, s, u'(s), \ldots, u^{(n)}(s))ds. \quad (1)$$

It is assumed that $F(x, u_0, \lambda)$ and $g(\lambda, x, s, u_0, u_1, \ldots, u_n)$ are n times differentiable in respect of x, and that they are continuous along with the derivatives in respect to s, x; in addition F_k and g_k, where

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On some properties of solutions.....

$F_k = \frac{\partial^k F}{\partial x^k}$ and $g_k = \frac{\partial^k g}{\partial x^k}$ ($k = 0, 1, 2, \ldots, n$) are analytic in λ, u_0 $u_1, \ldots, u_n$. Equation (1) is reduced to the system

$$F_k(x, u_0(x), \lambda) = \int_0^1 g_k(\lambda, x, s, u_0(s), u_1(s), \ldots, u_n(s))ds. \quad (2)$$

It is assumed that when $\lambda = \lambda_0$ the system (2) has the solution $U_0(x) = (u_{00}(x), u_{10}(x), \ldots, u_{n0}(x))$ and sufficient conditions are established such that in some neighborhood of the point λ_0 the system (2) has the unique solution $U(x, \lambda)$ continuous for x and analytic for λ.

[Abstracter's note: Complete translation.]

Card 2/2

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Changes in the blood picture during the acclimatization of Brown Latvian Cattle imported into Azerbaijan. Trudy Sekt. fiziol. AN Azerb. SSR 4:80-87 '60. (MIRA 15:1)
(AZERBAIJAN--DAIRY CATTLE) (BLOOD--ANALYSIS AND CHEMISTRY)
(ACCLIMATIZATION)

EFENDIYEV, I. PA 48/49T55

USSR/Medicine - History Mar/Apr 49
Medicine - Medicine, in Armenia

"Review of L. A. Oganesyan's Book, 'History of Medicine in Armenia,'" I. Efendiyev, 5 pp

"Sov Zdravookhran" No 2

Subject book is a remarkable and instructive medical work. However, book contains substantial errors and shortcomings, which collectively lead to a distortion of facts regarding Armenian medical history.

48/49T55

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4. Avicenna, 9807-1037

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9. Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

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EFENDIYEV, I.K., doktor med. nauk; EFENDIYEV, E.M., prof., red.; SULTANOV, M.S., red.

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[redacted]: "Investigation of anode oscillations in gas discharge." Published by the Azerbaydzhan U. Min Higher Education USSR. Azerbaydzhan State U imeni S. M. Kirov. Moscow, 1956. (Dissertation for the Degree of Candidate in Physicomathematical Science.)

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Anodic fluctuations in arc discharges through mercury vapors. Report No.1. Uch.zap.AGU. no.8:9-22 '57. (MIRA 11:11)

(Electronic discharges through gases) (Mercury)

EFENDIYEV, K.I.

Anodic fluctuations in discharges through inert gases. Uch.zap. AGU no.9:23-40 '57. (MIRA 11:11)
(Electric discharges through gases)
(Gases, Rare)

24(3), 9(4) SOV/48-23-8-17/25

AUTHORS: Zaytsev, A. A., Efendiyev, K. I.

TITLE: An Investigation of Anode Oscillations in Low-pressure Discharges

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 8, pp 1012-1016 (USSR)

ABSTRACT: Anode oscillations in electric-arc discharges in mercury vapor were investigated by the authors on a liquid cathode, as well as discharges in rare gases by using an oxide cathode. By investigation of the discharge in mercury vapor, the action of the geometric shape of the anode on the oscillation was studied. For this purpose a three-section electrode, a pin electrode, and a cylinder electrode were used. It was found that anode oscillations occur sooner for smaller dimensions of the anode, and that for this case a more or less ordered oscillation results, if the luminescence contracts at any spot of the anode surface. The oscillation is further investigated, and it is finally pointed out that a pressure drop in mercury vapor and an increase of the discharge current amplifies the amplitude of oscillation. In the diagrams of figures 1 and 2 the influence

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An Investigation of Anode Oscillations in Low-pressure Discharges

of pressure on the amplitude of the anode oscillation and the amount of the anode drop is represented for investigations in rare gases. As stated by the values of table 1, the diminution of the anode causes an increase of the amplitude and of the frequency of the anode oscillation. The investigations show that the anode drop is steady for pressures of above $3 \cdot 10^{-1}$ torr, but holds an oscillation below this pressure. Further, the effect of the kind of gas on the anode oscillation is investigated, and it was found that frequency decreases with increasing gas mass. The two forms of the anode drop already described by Langmuir are discussed, and it is finally found that the range of the anode is unsteady for a small anode, and that the anode drop exhibits an oscillation. This oscillation is said to be a relaxation oscillation and causes a periodic change of the gas conductivity at the cathode. This oscillation is not accompanied, however, by a wavelike process expanding over the whole positive column. There are 5 figures, 2 tables, and 5 references, 4 of which are Soviet.

SOV/48-23-8-17/25

An Investigation of Anode Oscillations in Low-pressure Discharges

ASSOCIATION: Moskovskiy gos. universitet im. M. V. Lomonosova, Fizicheskiy fakul'tet (Moscow State University imeni M. V. Lomonosov, Department of Physics)

Card 3/3

EFENDIYEV, K.I.

Possible occurrence of moving striations in a mercury discharge. Uch. zap. AGU. Ser. fiz.-mat. i khim. nauk no.5:137-144 '61. (MIRA 16:6)
(Electric discharges through gases)

PRAZYAN, I., kand. ekon. nauk; EFENDIYEV, Kh., red.

[The Transcaucasian Economic Region] Zakavkazskii ekonomicheskii raion. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 61 p. (MIRA 18:5)

1. Chlen Obshchestva "Znaniye" Azerbaydzhanskoy SSR (for Prazyan).

KADYROVA, T.K.; EFENDIYEV, M., red.; MUSTAFAYEVA, S., red.; BAGIROVA, S., tekhn. red.

[Leucosis and the nervous system; clinical and morphological studies]Leikozy i nervnaia sistema; kliniko-morfologicheskie issledovaniia. Baku, Azerbaidzhanskoe gos.izd-vo, 1961. 229 p. (MIRA 16:2)

(NERVOUS SYSTEM--DISEASES) (LEUKEMIA)

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EFENDIYEV, M. E.

58/49T68

USSR/Medicine - Diseases, Internal Feb 49
Organs
Medicine - Bromides, Effect of

"The Use of Bromides in Certain Diseases of the Internal Organs," Prof M. E. Efendiyev, Dir, Second Clinic of Diagnosis and Local Path of Internal Organs F. Ali-Zade, T. Asadova, B. Begirova, Sh. Kasumov, D. Rustambekova, Second Clinic of Diagnosis and Local Path of Internal Organs, Azerbaydzhan Med Inst, Baku, 4 pp

"Klin Med" Vol XXVII, No 2

Intravenous injection of a 10% sodium bromide solution, prepared in a 40% glucose solution, showed a positive effect in 23 of 25 bronchial asthma cases. Treatment of gastric and duodenal ulcers with bromides (together with atropine) was effective in a majority of cases. Best results in treatment of hypertonia were obtained by using daily injections of a 10% sodium bromide solution in conjunction with diathermy in the region of the kidneys.

58/49T68

EFENDIYEV, M.E. professor

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(AZERBAIJAN--HEALTH RESORTS, WATERING PLACES, ETC.)
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DZHAMALBEKOV, B.A.; EFENDIYEV, M.E., professor, redaktor; VARSHAVSKAYA, A., redaktor; DZHAHAROVA, S., tekhnicheskiy redaktor.

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(AZERBAIJAN--THERAPEUTICS)

EFENDIYEV

EFENDIYEV, M.E., prof.; BEDALOVA, S.M., kand.med.nauk (Baku)

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(CARDIAC GLYCOSIDES)

EFENDIYEV, M.E., prof., BEDALOVA, S.M., kand.med.nauk

Cymarin therapy in cardiac insufficiency. Azerb.med.zhur. no.5:85-88 My'58 (MIRA 11:6)

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(CYMARIN)
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EFENDIYEV, M.E., prof. zaslyzhenyy deyatel' nauki

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(ELECTROPHORESIS) (DIONINE)
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(MIRA 18:11)

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Viticultural Azerbaijan. Priroda 54 no.11:80-87 '65.
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